

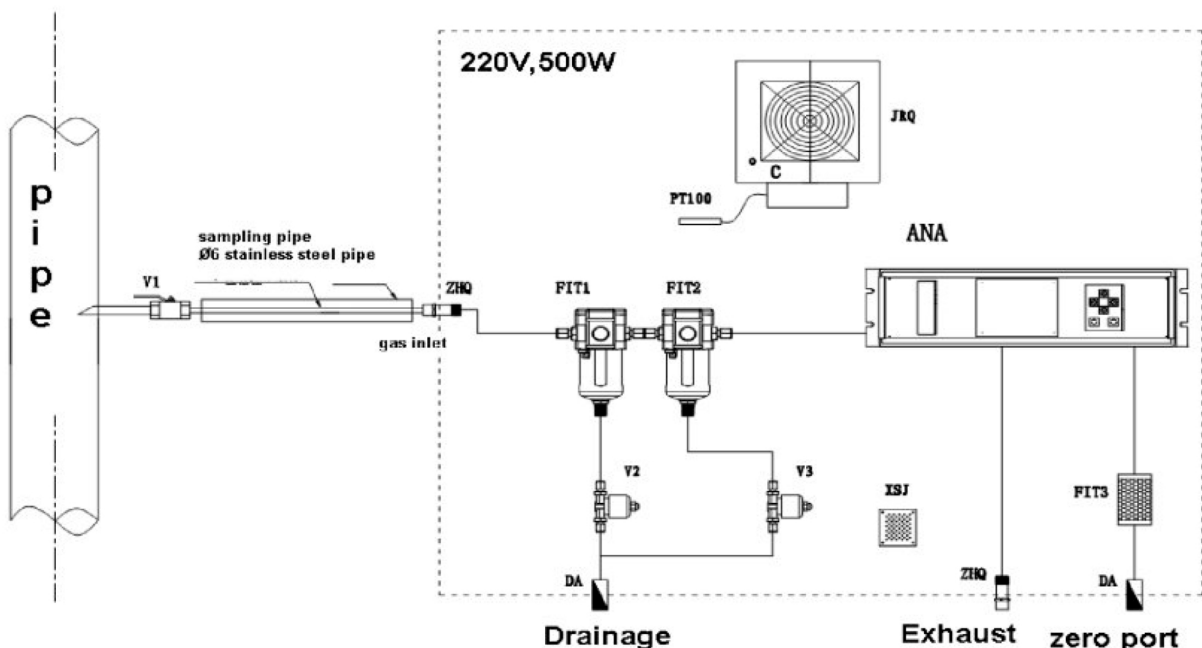
# Biogas Wall Mounted Landfill Analysis System Gasboard 9060

## Professional online gas analysis systems for continuous monitoring of Biogas



Landfill gas analysis systems are the best tooling to help you:

- ☐ to check whether the gas is still being produced to decide when the land can be reclaimed.
- ☐ to check the quality of the gas being produced prior to use in some industrial process.
- ☐ To continuously monitor the efficiency of H<sub>2</sub>S scrubber installations



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**J.THADHANI & CO.**

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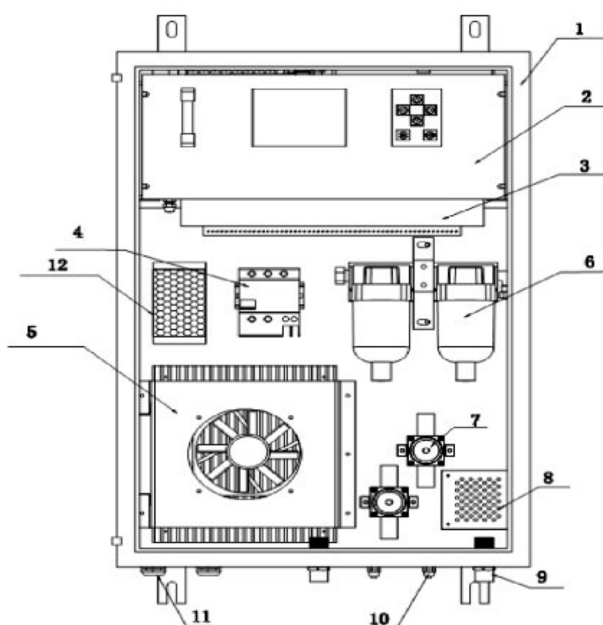
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Item 1	Name	No
1	Cabinet	1
2	Analyzer	1
3	Signal output	1
4	Air switch	1
5	Heater	1
6	Filter	1
7	Solenoid valve	2
8	Absorbent	1
9	Flame arrester	2
10	Air cock	2
11	Power	2
12	Filter	1

### 4-gas analyzer for Biogas process monitoring

Gas name	Symbol	Technology	Range <sup>1</sup>	Resolution	Accuracy	T90
Oxygen	O <sub>2</sub>	Fuel cell	0-25% Vol	0.01%	± 2% FS	< 15 s
Carbon dioxide	CO <sub>2</sub>	NDIR	0-50% Vol	0.01%	± 2% FS	< 10 s
Methane	CH <sub>4</sub>	NDIR	0-100% Vol	0.1%	± 2% FS	< 10 s
Hydrogen Sulphide	H <sub>2</sub> S	Electrochemical cell	0-9999 ppm <sup>2</sup>	1 ppm	± 3% FS	< 30 s

## Wall mounted cabinet with basic equipments

**Wall-mount IP54 stainless steel cabinet for outdoor installation.**

### Mechanical specifications

- Dimensions: H700 x W450 x D220 mm
- Material: stainless steel, plate thick 2 mm
- 4 brackets for wall mounting
- Hinged front door with visualization
- window (255 x 100 mm), with handle
- Door clamping with 6 bolts M8
- Internal compartment for Biogas analyzer

### Environmental conditions

- Operating temperature range:-15°C to +45°C
- Operating humidity range : 0-95% RH non condensing
- Operating pressure range : 800-1200 hPa

### Pneumatic specifications

- Stainless steel connector for gas inlet, gas outlet, zero air inlet and drain ports
- Manual valve for measure/calibration selection
- Flow meter

### Gas sampling and conditioning

(accessible via the internal access front door)

- Pre-filtration by coalescing filter with peristaltic pump for continuous condensate removal
- Built-in heater avoid water condensate block the pipe in the winter



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